

Notes

CHAPTER 1: THE GRAND DESIGN, 1790–1800

- ¹ “Essay on the City of Washington,” *Washington Gazette*, November 19, 1796. Pamela Scott, “L’Enfant’s Washington Described: The City in the Public Press, 1791–1795,” *Washington History*, vol. 3, no. 1 (Spring/Summer 1991), pp. 96–111.
- ² J. J. Jusserand, *With Americans of Past and Present Days* (New York: Charles Scribner’s Sons, 1916). Elizabeth S. Kite, *L’Enfant and Washington, 1791–1792* (Baltimore: Johns Hopkins University Press, 1929). H. Paul Caemmerer, *The Life of Pierre Charles L’Enfant* (Washington: National Republic Publishing Co., 1950). Joseph R. Riling, *Baron von Steuben and his Regulations* (Philadelphia: Ray Riling Arms Book Co., 1966). Daniel D. Reiff, *Washington Architecture, 1791–1861* (Washington: Commission of Fine Arts, 1971).
- ³ Letter, P. Ch. L’Enfant to the President of Congress [Richard Henry Lee], December 15, 1784, National Archives and Records Administration (hereafter NARA), Record Group 360 (hereafter RG), Papers of the Continental Congress. John C. Fitzpatrick, ed., *Journals of the Continental Congress, 1774–1789* (Washington: GPO, 1933), vol. 28, pp. 16–7.
- ⁴ Paul K. Walker, *Engineers of Independence: A Documentary History of the Army Engineers in the American Revolution, 1775–1783* (Washington: GPO, 1981), p. 358.

- ⁵ Fitzpatrick, *Journals of the Continental Congress*, vol. 28, pp. 16, 37, footnote 2.
- ⁶ P. Ch. L’Enfant, [Memorial to Congress], January 30, 1824. NARA, RG 233, Record of the House of Representatives. Letter, L’Enfant to the Marquis de Lafayette, November 2, 1785. Henry Knox Papers, Massachusetts Historical Society. For a general discussion of the alternate site for the federal city, see Kenneth R. Bowling, *The Creation of Washington, D.C.: The Idea and Location of the American Capital* (Fairfax, Virginia: George Mason University Press, 1991).
- ⁷ Letter, L’Enfant to Washington, September 11, 1789, Library of Congress (hereafter LOC), Manuscript Division, George Washington Papers, series 7, reel 120.
- ⁸ Edgar Erskine Hume, “The Diplomas of the Society of Cincinnati,” *Americana*, vol. 29, no. 1 (January 1935), pp. 5–45.
- ⁹ Whitfield J. Bell, Jr., “The Federal Processions of 1788,” *New York Historical Society Quarterly*, vol. 46 (1962), pp. 29–38.
- ¹⁰ Louis Torres, “Federal Hall Revisited,” *Journal of the Society of Architectural Historians* (hereafter *JSAH*), vol. 29, no. 4 (December 1970), pp. 327–28.
- ¹¹ Letter, Jefferson to Johnson, January 29, 1891, NARA, Papers of the Continental Congress. Letter, Washington and Jefferson to Deakins and Stoddert, March 2, 1791, LOC, Manuscript Division, District of Columbia Letters and Papers.

- ¹² Letter, Jefferson to L'Enfant, March 2, 1791, Digges-L'Enfant-Morgan Papers, LOC.
- ¹³ Silvio A. Bedini, "Andrew Ellicott," John A. Garraty and Mark C. Carnes, eds., *American National Biography* (hereafter *ANB*) (New York: Oxford University Press), vol. 7 (1999), pp. 414–5. See also: Catharine VanCortlandt Mathews, *Andrew Ellicott, His Life and Letters* (New York: Grafton Press, 1908).
- ¹⁴ Report from P. Ch. L'Enfant to Washington, n.d., LOC, Manuscript Division, Papers of Pierre Charles L'Enfant, Covering sheet in clerk's hand: No. 1. (P B & G 1791), L'Enfant, Peter Charles, Major, "Reporting to President Washington the suitability of the location of the City for the Capital of a mighty Empire, the sites of houses of Congress & Presidents Palace.—The above was personally handed to the Executive on his arrival at Georgetown at that time. 5-a."
- ¹⁵ Donald Jackson and Dorothy Twohig, eds., *The Diaries of George Washington* (Charlottesville: University Press of Virginia, 1979), vol. 6, p. 103.
- ¹⁶ John C. Fitzpatrick, *The Writings of George Washington* (Washington: GPO, 1931), vol. 31, pp. 256–7.
- ¹⁷ Letter, L'Enfant to Hamilton, April 8, 1791, LOC, Manuscript Division, Alexander Hamilton Papers. Letter, Washington to L'Enfant, April 4, 1791, LOC, Manuscript Division, Digges-L'Enfant-Morgan Papers.
- ¹⁸ Letter, L'Enfant to Jefferson, April 4, 1791, Jefferson Papers, LOC.
- ¹⁹ Letter, Jefferson to L'Enfant, April 10, 1791, Digges-L'Enfant-Morgan Papers, LOC.
- ²⁰ *Ibid.*
- ²¹ Letter, L'Enfant to Washington, June 22, 1791, L'Enfant Papers, LOC. A copy of this report, with some omissions, in Isaac Roberdeau's hand, is in the Digges-L'Enfant-Morgan Papers, LOC. Washington's diary entry, June 29, 1791, Jackson and Twohig, *Washington Diaries*, vol. 6, p. 165.
- ²² *Ibid.*
- ²³ "L'Enfant's Reports to President Washington, March 26, June 22, and August 19, 1791," *Records of the Columbia Historical Society* (hereafter *RCHS*), vol. 2 (1899), pp. 38–48. Letter, Tobias Lear to L'Enfant, August 27, 1791, Digges-L'Enfant-Morgan Papers, LOC. Letter, Jefferson to the Commissioners of the District of Columbia, August 28, 1791, in Charles T. Cullen, et al., ed., *The Papers of Thomas Jefferson* (Princeton: Princeton University Press, 1986), vol. 22, pp. 88–9.
- ²⁴ NARA, RG 42, Records of the Office of Public Buildings and Public Parks of the National Capital, Entry 21, Proceedings, September 24, 1791 and October 6, 1791. Cullen, *Jefferson Papers* (1990), vol. 23, p. 237. William Seale, *The President's House: A History* (Washington: White House Historical Association, 1986), p. 18.
- ²⁵ Letter, Commissioners to Jefferson, April 11, 1792. Cullen, *Jefferson Papers*, vol. 23, pp. 396–7.
- ²⁶ Quoted in [H. W. Crew], *Centennial History of the City of Washington, D.C.* (Dayton, Ohio: United Brethren Publishing House, 1892), p. 184.
- ²⁷ Letter, Washington to the Commissioners, December 18, 1791, Fitzpatrick, *Washington's Writings*, vol. 21, p. 446.
- ²⁸ Pamela Scott, "Stephen Hallet's Designs for the United States Capitol," *Winterthur Portfolio*, vol. 27, no. 2–3 (1992), pp. 145–70. Bob Arnebeck, *Through a Fiery Trial: Building Washington 1790–1800* (Lanham, Maryland: Madison Books, 1991), p. 314.
- ²⁹ *Georgetown Weekly Ledger*, July 2, 1791. *Centinel of Liberty*, September 9, 1800.
- ³⁰ L'Enfant's "Observations..." were published on the front page of *Dunlap's American Daily Advertiser*, December 26, 1791. See Scott, "L'Enfant's Washington...", pp. 102–3. In his June 22, 1791, report to Washington, L'Enfant claimed that he first chose the locations for squares, then overlaid the grid, inserting the diagonal avenues later.
- ³¹ Letter, Commissioners to L'Enfant, September 9, 1791, Saul K. Padover, ed., *Jefferson and the National Capital* (Washington: GPO, 1946), pp. 74–5. Letter, Ellicott to L'Enfant, September 12, 1791, Kite, *L'Enfant and Washington*, pp. 73–4.
- ³² Pamela Scott, "'This Vast Empire': The Iconography of the Mall, 1791–1848," in Richard Longstreth, ed., *The Mall in Washington, 1791–1991* (Washington: National Gallery of Art, 1991), pp. 41–5.
- ³³ Cullen, *Jefferson Papers*, vol. 23, pp. 141, 150–9, 161.
- ³⁴ Russell I. Fries, "European vs. American Engineering: Pierre Charles L'Enfant and the Water Power System of Paterson, N.J.," *Northeast Historical Archaeology*, vol. 4, nos. 1 and 2 (Spring 1975), pp. 68–96. John W. Jackson, *Fort Mifflin, Valiant Defender of the Delaware* (Philadelphia: Old Fort Mifflin Historical Society, 1986). William Dunlap, *A History of the Rise and Progress of the Arts of Design in the United States* (Boston: C. E. Goodspeed & Co., 1918 reprint of 1834 edition), vol. 2, p. 12.

CHAPTER 2: THE ANTEBELLUM CITY, 1850–65

- ¹ Pamela Scott, "Moving to the Seat of Government," *Washington History*, vol. 12, no. 1 (Spring/Summer 2000), pp. 70–3. "Extract from an Address [reprint of Oliver Wolcott's 1802 report to Congress on the expense of moving the government to Washington]," *RCHS*, vol. 9 (1906), pp. 219–41. Elaine Everly and Howard H. Wehmann, "The War Office Fire of 1800," *Prologue*, vol. 31–1 (Spring 1999), pp. 22–35.
- ² Scott, "Moving," p. 72.
- ³ *Ibid.*, p. 71.
- ⁴ Edward C. Boynton, *History of West Point and the United States Military Academy* (New York: D. Van Nostrand, 1863), p. 176.

- ⁵ Gary D. Ryan, “War Department Topographical Bureau, 1831–1863: An Administrative History,” Ph.D. diss., American University, 1968, p. 103. The technical system of educating West Point engineers on the French system was established early in its history. Peter Michael Molloy, “Technical Education and the Young Republic: West Point as America’s Ecole Polytechnique, 1802–1833,” Ph.D. diss., Brown University, 1975. Theodore Crackel, *West Point: A Bicentennial History* (Lawrence, Kansas: University Press of Kansas, 2002), pp. 39, 50–62.
- ⁶ Crackel, *West Point*, pp. 194–5.
- ⁷ *Ibid.*, p. 194. John C. Fredriksen, “Jonathan Williams,” *ANB*, vol. 23, pp. 483–5.
- ⁸ John K. Mahon, “George Bomford,” *ANB*, vol. 3, pp. 151–3.
- ⁹ Letter, Knox to John Vermonnet, May 12, 1794, *American State Papers*, vol. 16, p. 93.
- ¹⁰ Anthony S. Pitch, *The Burning of Washington: The British Invasion of 1814* (Annapolis, Maryland: Naval Institute Press, 1998), p. 153.
- ¹¹ Quoted in Amy Cheny Clinton, “Historic Fort Washington,” *Maryland Historical Magazine*, vol. 32 (September 1931), p. 237.
- ¹² Pitch, *Burning*, p. 154.
- ¹³ Pitch, *Burning*, pp. 156–7. James Dudley Morgan, “Historic Fort Washington on the Potomac,” *RCHS*, vol. 7 (1904), p. 15. David L. Salay, “‘Very picturesque, but regarded as nearly useless’: Fort Washington, Maryland, 1816–1872,” *Maryland Historical Magazine*, vol. 81 (1986), p. 67. Two maps show the relationships between Fort Warburton and Fort Washington. NARA, RG 79, NCP 117.8-3 and NCP 117.8-4.
- ¹⁴ Jeffrey A. Cohen and Charles E. Brownell, *The Architectural Drawings of Benjamin Henry Latrobe* (New Haven: Yale University Press, 1994), vol. 2, pp. 587–9.
- ¹⁵ *Ibid.*
- ¹⁶ Russell F. Weigley, *History of the United States Army* (New York: The MacMillan Company, 1967), pp. 134–5. Joseph G. Swift, *The Memoirs of Gen. Joseph Gardner Swift* (Privately printed, 1890), pp. 168, 173. Michael A. Burke, “Joseph Gardner Swift,” *ANB*, vol. 21, pp. 208–9. Frank N. Schubert, ed., *The Nation Builders: A Sesquicentennial History of the Corps of Topographical Engineers* (Fort Belvoir, Virginia: Office of History, U.S. Army Corps of Engineers, 1988), pp. 4–6.
- ¹⁷ Roberdeau Buchanan, *Genealogy of the Roberdeau Family* (Washington: Joseph L. Pearson, 1876), p. 117. Richard Rathbun, “The Columbian Institute for the Promotion of Arts and Sciences,” *United States National Museum and Bulletin* (Washington: GPO, 1917), vol. 101, p. 9. William Dzombak, “Roberdeau’s Treatise on Canals,” *American Canals*, no. 76 (February 1991), pp. 8–9. Pamela Scott, “Isaac Roberdeau,” *ANB*, vol. 20, pp. 590–2. *The History of the U.S. Army Corps of Engineers* (Alexandria, Virginia: Office of History, Headquarters, U.S. Army Corps of Engineers, 1998), p. 142.
- ¹⁸ *The Metropolitan and Georgetown Commercial Gazette*, October 19, 1824. Buchanan, *Genealogy*, pp. 115, 120.
- ¹⁹ Henry Ways, *The Washington Aqueduct, 1852–1992* (Washington: U.S. Army Corps of Engineers, n.d.), 1–2. *To Improve Pennsylvania Avenue in Washington City*, 22nd Cong., 1st sess., H. Rpt. 291 (1832) reprints and repeats the recommendations of 21st Cong., 1st sess., H. Rpt. 184 (1830); 22nd Cong., 2nd sess., H. Doc. 11 (1832).
- ²⁰ *Report on the Potomac Bridge*, 22nd Cong., 2nd sess., H. Doc. 22 (1832).
- ²¹ *Contract for Construction of Bridge Over Potomac River*, 23rd Cong., 1st sess., H. Rpt. 264 (1834); 24th Cong., 1st sess., H. Doc. 53 (1836).
- ²² *Report from the Secretary of War on the Employment of the Topographical Engineers*, 24th Cong., 1st sess., S. Doc. 419 (1836), p. 9.
- ²³ *Potomac Aqueduct*, 25th Cong., 2nd sess., H. Doc. 459 (1838) [reprinting 24th Cong., 1st sess., H. Doc. 261 (1836)], pp. 19, 24. Walter S. Sanderlin, *The Great National Project: A History of the Chesapeake and Ohio Canal* (Baltimore: Johns Hopkins University Press, 1946), pp. 59–60. Constance McLaughlin Green, *Washington: Village and Capital, 1800–1878* (Princeton: Princeton University Press, 1962), pp. 114–6. Letter, Abert to Turnbull, August 29, 1832, NARA, RG 77, Records of the Topographical Bureau, Letters Sent. Donald Beekman Myer, *Bridges and the City of Washington* (Washington: Commission of Fine Arts, 1974), p. 11. Sackett L. Duryee, *The Corps of Engineers in the Nation’s Capital, 1852–1952* (Washington: U.S. Army Engineer District, 1952), p. 53.
- ²⁴ NARA, RG 77, Monthly Returns of the Corps of Topographical Engineers, March 1842–December 1843; June–July 1843; April 1845–August 1846; March–October 1847; August 1848–July 1849. 25th Cong., 2nd sess., S. Doc. 346 (1838). 26th Cong., 2nd sess., S. Doc. 51 (1841). NARA, RG 77, Register of Letters Received by the Topographical Bureau, 1849; Report, Mills to Secretary of War, December 20, 1841, and Letter, Strickland to Abert, December 6, 1843, in Letters Received by the Topographical Bureau. Schubert, *Nation Builders*, pp. 20–1.
- ²⁵ Pamela Scott, ed., *The Papers of Robert Mills, 1781–1855* (Wilmington, Delaware: Scholarly Resources, Inc., 1990), pp. 98, 122.
- ²⁶ Ryan, “War Department Topographical Bureau,” pp. 73–110. Schubert, *Nation Builders*.
- ²⁷ B. Brown Goode, “The Genesis of the National Museum,” *Annual Report of the Smithsonian Institution* (Washington: Smithsonian Institution, 1891), pp. 273–335.
- ²⁸ Kenneth Hafertepe, *America’s Castle: The Evolution of the Smithsonian Building and Its Institution, 1840–1878* (Washington: Smithsonian Press, 1984), p. 27.

- ²⁹ *Ibid.*, pp. 71, 106. Sara E. Wermiel, *Army Engineers' Contributions to the Development of Iron Construction in the Nineteenth Century* (Kansas City, Missouri: Public Works Historical Society, 2002), pp. 31–3.
- ³⁰ [Crew], *Centennial History*, p. 650.
- ³¹ *Ibid.*, p. 124.
- ³² *Ibid.*, pp. 126, 135–7. Alexander continued to experiment with wrought iron and in 1855, when the government's great construction program of courthouses and custom houses was just getting underway, his knowledge was crucial. "Letter to the Secretary of the Treasury," 33rd Cong., 2d Sess., S. Exdoc. 54 (1855).
- ³³ James B. Richardson, *A Compilation of the Messages and Papers of the Presidents, 1789–1908* (Washington: GPO, Bureau of National Literature and Art, 1908), vol. 6, p. 2628. *Statutes* vol. 9, p. 523. 32nd Cong., 2nd sess., H. Doc. 33 (1853).
- ³⁴ NARA, RG 77, Letters Sent. Totten to W. W. Corcoran, August 12, 1852; H. H. Steward, August 14, 1852; Totten to Fillmore, September 1852; Totten to Smith, September 15, 1852. On background and selection of Meigs, see Russell F. Weigley, *Quartermaster General of the Union Army: A Biography of M. C. Meigs* (New York: Columbia University Press, 1959), pp. 13–30, 49, 52, 59; Ways, *Aqueduct*, pp. 3–7, and David W. Miller, *Second Only to Grant: Quartermaster General Montgomery C. Meigs* (Shippensburg, Pennsylvania: White Mane Books, 2000), pp. 18–24.
- ³⁵ Meigs' report was published as 32nd Cong., 2nd sess., S. Exdoc. 48 (1853); quote from Weigley, *Quartermaster General*, p. 61. Warren T. Hannum, "Water Supply of the District of Columbia," *Professional Memoirs, Corps of Engineers, U.S. Army*, vol. 4 (1912), p. 226. Edwin A. Schmitt and Philip O. Macqueen, "Washington Aqueduct," *The Military Engineer*, vol. 61 (1949), p. 205.
- ³⁶ Quote from letter, Meigs to Davis, April 18, 1853, NARA, RG 77. See also: letter, Meigs to Davis, February 22, 1855. Weigley, *Quartermaster General*, p. 62.
- ³⁷ Ways, *Aqueduct*, p. 11.
- ³⁸ William T. S. Curtis, "Cabin John Bridge," *RCHS*, vol. 2 (1899), pp. 295–6; Harold K. Skramsted, "The Engineer as Architect in Washington: The Contribution of Montgomery Meigs," *RCHS*, vols. 69–70 (1969–70), p. 268; Philip O. Macqueen, "Cabin John Bridge," *The Military Engineer*, vol. 24 (1932), pp. 566–8 and "Rock Creek Bridge," *The Military Engineer*, vol. 28 (1936), pp. 111–3.
- ³⁹ Harry C. Ways, "Montgomery C. Meigs and the Washington Aqueduct," in William C. Dickinson, et al., *Montgomery C. Meigs and the Building of the Nation's Capital* (Athens: Ohio University Press, 2001), p. 27. *Annual Report of the Secretary of War, 1857*, 35th Cong., 1st sess., S. Exdoc. 11 (1857), pt. III, p. 26.
- ⁴⁰ 35th Cong., 1st sess., S. Exdoc. 34 (1858), p. 5.
- ⁴¹ James M. Goode, "Architecture and Politics: Thomas Ustick Walter and the Enlargement of the United States Capitol, 1850–1865," Ph.D. diss., The George Washington University, 1995. William C. Allen, *History of the United States Capitol* (Washington: GPO, 2001), pp. 140–4.
- ⁴² *Estimates and Plans for Alteration of Capitol*, 28th Cong., 1st sess., H. Doc. 51 (1843–44). Pamela Scott, "Robert Mills and the United States Capitol," AIA symposium *American Architectural Practice: The Formative Years* (1989), pp. 16–7.
- ⁴³ Allen, *History of the Capitol*, pp. 203–4. Susan Brizzolara Wojcik, "Thomas U. Walter and Iron in the United States Capitol: An Alliance of Architecture, Engineering, and Industry," Ph.D. diss., University of Delaware, 1998, pp. 258–65.
- ⁴⁴ *Daily Union*, April 5, 1854; see also April 8, 11, and 15. *Washington Sentinel*, April 8 and 9, 1854; see also, April 5, 25, and 28.
- ⁴⁵ Dean A. Herrin, "The Eclectic Engineer: Montgomery C. Meigs and His Engineering Projects," in Dickinson, et al., *Meigs*, pp. 3–20.
- ⁴⁶ Allen, *History of the Capitol*, pp. 218, 303–4. In April, 1860, Captain William B. Franklin, Meigs's replacement, responding to a Senate resolution to move its chamber to an outside wall, noted that such a move would require major demolition and rebuilding of half the north wing's interiors at a cost of about \$365,000 and two years of work. The alterations were not undertaken.
- ⁴⁷ *Ibid.*, p. 218.
- ⁴⁸ *Ibid.*, pp. 245–6. Charles E. Fairman, *Art and Artists of the Capitol of the United States of America* (Washington: GPO, 1927), p. 143.
- ⁴⁹ Wendy Wolff, *Capitol Builder: The Shorthand Journals of Montgomery C. Meigs, 1853–1859, 1861* (Washington: GPO, 2001), *passim*.
- ⁵⁰ Allen, *History of the Capitol*, pp. 221–3.
- ⁵¹ *Ibid.*, p. 224.
- ⁵² Wolff, *Capitol Builder*, p. 178.
- ⁵³ *Ibid.*, p. 183. August Schoenborn was Walter's chief draftsman employed by him at the Capitol beginning in 1851.
- ⁵⁴ Allen, *History of the Capitol*, pp. 229–36.
- ⁵⁵ Pamela Scott, *Temple of Liberty: Building the Capitol for a New Nation* (New York: Oxford University Press, 1995) p. 100. Allen, *History of the Capitol*, pp. 253–5. Wolff, *Capitol Builder*, p. 358.
- ⁵⁶ Allen, *History of the Capitol*, pp. 234–42.
- ⁵⁷ *Ibid.*, pp. 247, 250. Barbara Wolanin, *Contantino Brumidi, Artist of the Capitol* (Washington: GPO, 1998).
- ⁵⁸ [Crew], *Centennial History*, p. 667.
- ⁵⁹ Allen, *History of the Capitol*, pp. 268–9.
- ⁶⁰ *Ibid.*, p. 270.
- ⁶¹ Wolff, *Capitol Builder*, p. 653.

⁶² *Ibid.*, pp. xxvii, 300.

⁶³ History of the Civil War defenses summarized from Benjamin Franklin Cooling III and Walton H. Owen II, *Mr. Lincoln's Forts: A Guide to the Civil War Defenses of Washington* (Shippensburg, Pennsylvania: White Mane Publishing Co., Inc., 1988).

⁶⁴ J. G. Barnard, quoted in Cooling and Owen, *Mr. Lincoln's Forts*, p. 28.

⁶⁵ *Ibid.*

⁶⁶ *Ibid.*, p. 26.

CHAPTER 3: THE VICTORIAN CITY, 1865–90

¹ William Stull Holt, *The Office of the Chief of Engineers of the Army: Its Non-Military History* (Washington: Brookings Institute, 1923), pp. 50–5. Between 1871 and 1874, Washington was governed by a territorial governor and Board of Public Works charged with repairing damage done to the city during the Civil War and instituting modern public works.

² Monthly Returns of the Corps of Engineers, May 1867, NARA, RG 77.

³ William Tindall, *Standard History of the City of Washington from a Study of the Original Sources*, (Knoxville, Tennessee: H. W. Crew and Co., 1914), p. 472. *Statutes*, vol. 14, p. 466. The Aqueduct had been controlled by the Secretary of the Interior since mid-1862 (*Statutes*, vol. 12, p. 620).

⁴ John Reys, *Washington on View* (Chapel Hill: University of North Carolina Press, 1991), p. 151.

⁵ U.S. Congress, House. Report of the Secretary of War (hereafter Rpt. Sec. War). *Report of Brevet Brigadier General N. Michler*, 40th Cong., 2nd sess., H. Exdoc. 1 (1867), p. 522.

⁶ *Ibid.* p. 531. William Seale, *The White House: The History of an American Idea* (Washington: American Institute of Architects Press, 1992), pp. 116–21.

⁷ Letter, R. D. Mussey to Thaddeus Stevens, June 12, 1866, NARA, RG 233, Records of the House of Representatives, H.R. 39A–F2.4.

⁸ “Communication of N. Michler, Major of Engineers,” 39th Cong., 2d Sess., Sen. Misc. Doc. 21 (February 13, 1867), p. 1.

⁹ *Ibid.*, p. 2.

¹⁰ *New York Times*, July 19, 1881.

¹¹ “Communication...Michler,” *op. cit.*, p. 3.

¹² *Ibid.*, pp. 4–5.

¹³ *Survey of the Potomac River*, 40th Cong., 2nd sess., H. Exdoc. 292 (1868).

¹⁴ U.S. Congress, House. Rpt. Sec. War. Report of the Chief of Engineers (hereafter cited as Rpt. Ch. Eng.), 42nd Cong., 2nd sess., H. Exdoc. 1 (1871), p. 969.

¹⁵ U.S. Congress, House. Rpt. Ch. Eng., 58th Cong., 3rd sess., H. Doc. 2 (1904), p. 3917, and Rpt. Ch. Eng., 56th Cong., 1st sess., H. Doc. 2 (1899), p. 3822.

¹⁶ *Statutes*, vol. 30, p. 570.

¹⁷ Rpt. Ch. Eng., 1904, pp. 3912–8.

¹⁸ Rpt. Ch. Eng., 1871, p. 976.

¹⁹ U.S. Congress, House. Rpt. Sec. War. *Improvement and Care of Public Buildings and Grounds in the District of Columbia*, 56th Cong., 1st sess., H. Exdoc. 2 (1899), p. 3823.

²⁰ U.S. Congress. House. Rpt. Ch. Eng., 59th Cong., 1st sess., H. Doc 2 (1905), pp. 2653–4.

²¹ Rpt. Ch. Eng., 1871, p. 969.

²² U.S. Congress, House. Rpt. Ch. Eng., 44th Cong., 2nd sess., H. Exdoc. 1 (1876), pp. 683–4, and 45th Cong., 2nd sess., H. Exdoc. 1 (1877), p. 1065.

²³ Rpt. Ch. Eng., 1877, p. 1065.

²⁴ U.S. Congress, House. *Report of the Board of Public Works of the District of Columbia from its Organization until November 1, 1872*, 42nd Cong., 3rd sess., H. Exdoc. 1 (1872), pt. VI, p. 6.

²⁵ The activities of the Office of Public Buildings and Grounds are detailed in the Annual Reports of the Chief of Engineers from 1871 until the office ceased to exist in 1925, except for 1868–70, when Michler made no reports. Mary Clemmer Ames, *Ten Years in Washington* (Hartford: A.D. Worthington & Co., 1874), p. 73.

²⁶ Mary-Jane M. Dowd, comp., *Records of the Office of Public Buildings and Public Parks of the National Capital* (Washington: NARA, 1992), pp. 58–9. James M. Goode, *The Outdoor Sculpture of Washington, D.C.* (Washington: Smithsonian Institution Press, 1974), p. 281.

²⁷ “Interview with Professor Baird,” *Forest and Stream*, vol. 10 (1878), p. 214. U.S. Congress, House. Rpt. Ch. Eng., “Annual Report of Colonel O. E. Babcock,” 43d Cong., 2d Sess., H. Exdoc. 1 (1874), pp. 385–6.

²⁸ George Alfred Townsend, *New Washington, or the Renovated City* (Washington: Chronicle Publishing Company, 1874), pp. 17–8.

²⁹ Rpt. Sec. War, 1872, p. 1017.

³⁰ Rpt. Ch. Eng., 1904, p. 3939.

³¹ Alan Lessoff, *The Nation and Its City: Politics, “Corruption,” and Progress in Washington, D.C., 1861–1902* (Baltimore: Johns Hopkins University Press, 1994), p. 56. No record of their meetings (if any) has been found.

³² *Ibid.*, p. 63.

- ³³ Brooks D. Simpson, “Orville Elias Babcock,” *ANB*, vol.1 (1998), pp. 813.
- ³⁴ Ben Perley Poore, *Perley’s Reminiscences of Sixty Years in the National Metropolis* (Philadelphia: Hubbard Brothers, 1886), vol. 2, pp. 313–4.
- ³⁵ Quoted in “Babcock,” *ANB*, p. 813.
- ³⁶ Pamela Scott, “Robert Mills and American Monuments,” in John Bryan, ed. *Robert Mills, Architect* (Washington: AIA Press, 1991), pp. 143–72.
- ³⁷ Letter, J. C. Ives to Thomas Carbery, August 10, 1859, RG 42, Papers of the Washington National Monument Society (hereafter WNMS), Secretary’s Correspondence, Box 10. Mills described both the foundations and the preparations for laying them in a report published in the *National Intelligencer* on September 15, 1848, just as they were nearly level with the ground. The only known Mills drawing showing the foundations (in plan and section) survives in Thomas Lincoln Casey’s papers at the Society for the Preservation of New England Antiquities.
- ³⁸ Louis Torres, “*To the immortal name and memory of George Washington*”: *The United States Army Corps of Engineers and the Construction of the Washington Monument* (Washington: Office of the Chief of Engineers, n.d.), p. 33.
- ³⁹ Frederick L. Harvey, *History of the Washington National Monument and Washington National Monument Society* (Washington: GPO, 1903), p. 80.
- ⁴⁰ Quoted in Torres, “*immortal name*,” p. 34.
- ⁴¹ Letter, J. G. Barnard, Z. B. Tower, and H. G. Wright to A. A. Humphreys, August 7, 1874, RG 42, Papers WNMS, Secretary’s Correspondence, Box 10.
- ⁴² Henry R. Searle, *Washington Monument Monograph* (Washington: Gibson Brothers Printers, [1877]) p. 8. Several designs and their sources are published in Bates Lowry, *The Architecture of Washington, D.C.* (Washington: The Dunlap Society, 1976), Chapter V, microfiche 2.
- ⁴³ Torres, “*immortal name*,” pp. 34–7. Samuel Willard Crompton, “Joseph Christmas Ives,” *ANB*, vol. 21, pp. 722–3.
- ⁴⁴ Torres, “*immortal name*,” pp. 47–8.
- ⁴⁵ *Ibid.*, p. 54.
- ⁴⁶ *Ibid.*, pp. 55–7, 59–80.
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CHAPTER 4: THE PROGRESSIVE CITY, 1890–1915

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